

4
S/081/61/000/021/070/094
B138/B101

AUTHORS: Bolotov, L. T., Shumovskiy, V. G., Ovsyannikov, P. V.,
Pal'chikov, G. F., Minasyan, T. S., Afanasenko, M. M., Rusakov,
A. P., Burlakov, A. G., Karpenko, T. G.

TITLE: Pilot run for the commercial processing of a secondary raw
material on a catalytic cracking unit

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 21, 1961, 401 - 402,
abstract 21M82 ([Tr.] Groznensk. neft. in-t. sb. 23, 1960,
97 - 105)

TEXT: With the aim of increasing supplies of quality high-speed diesel
fuels, experiments have been conducted, in commercial conditions, for the
refining of the medium fractions of the thermal cracking process by re-
distribution of the hydrogen on the aluminosilicate catalyst. The
characteristics of the starting material and of the end product are
enumerated. It is said that it would be possible to use this method for
the production of the components of high-octane automobile gasolines and
low pour-point high-speed diesel fuels. Data are given for the production

Card 1/2

Pilot run for the commercial processing... S/081/61/000/021/070/094
B138/B101

cycle of the plant, and a comprehensive material balance is shown.
[Abstracter's note: Complete translation.]

Card 2/2

S/081/61/000/021/068/094
B138/B101

AUTHORS: Bashilov, A. A., Pal'chikov, G. F., Zhukov, I. S.,
Minasyan, T. S., Rusakov, A. P.

TITLE: Separate production of gasoline and kerosene distillates in
thermal cracking plant

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 21, 1961, 401, abstract
21M76 ([Tr.] Groznensk. neft. in-t, sb. 24, 1960, 3-7)

TEXT: On the basis of work carried out in the thermal cracking units of
the Grozny Cracking Plant, a modification has been developed and the
partial reconstruction of the units is proposed. To permit the separate
production of automobile gasoline and tractor kerosene on a unit with
one rectification column, it is suggested that the rectifying unit should
be changed and a stripping tower, a cooler for the kerosene fraction, and
pump and cooler for the circulating reflux introduced. The processing
cycle remains unchanged for the furnace, evaporator and supplementary
evaporator. The reconstruction proposed would be highly beneficial
economically. [Abstracter's note: Complete translation.]
Card 1/1

MINAS'YAN, V.P.

Practical work in meteorology in agricultural colleges. Meteor.
i gidrol. no.3:60-61 Mr '62. (MIRA 15:3)
(Meteorology--Study and teaching)

GEZALYAN, I.; MINASYAN, V.

New transmitting element for automatic control of the level of
glass in furnaces. Stek. i ker. 18 no.10:43 0 '61. (MIRA 14:11)

1. Yerevanskiy elektrolampovyy zavod.
(Liquid level indicators) (Glass furnaces)

AMEARTSUMYAN, M.S., vrach (Leninakan, Aranyanskaya SSR); MINASYAN, V.M.,
starshaya meditsinskaya sestra (Leninakan, Aranyanskaya SSR);
GEVORGYAN, G.Ye., meditsinskaya sestra (Leninakan, Aranyanskaya SSR)

Concerning D.M. Velichka's article "On intravenous injections."
Feld.1 akush. 25 no.2:62-63 P '60. (MIRA 13:5)
(INJECTIONS, INTRAVENOUS) (VELICHKA, D.M.)

1. MUSTEL', P. I.; YERMAKOV, V. K. Eng.; MINAS'YAN, V.P., Eng.; DZASOKHOV, A. KH.
2. USSR (600)
4. Mine ventilation
7. "Mine ventilation." Reviewed by P. I. Mustel', V. K. Yermakov, V. P. Minas'yan, Eng., Gor. zhur, no. 11, 1952

9. Monthly List of Russian Accessions, Library of Congress, _____ 1953. Unclassifi

YAKUSHIN, N. P. ARKHANGEL'SKIY, A. F.
MINAS'YAN, V. P.

Mine Ventilation

Ventilation of vertical mine shafts in the process of their sinking. Ugol' 27
ro. 4, 1952.

Monthly List of Russian Accessions, Library of Congress, August 1952 UNCLASSIFIED.

07041

S/064/60/000/006/002/011
B020/B054

11.1210

AUTHORS: Lubyanitskiy, I. Ya., Minati, R. V., and Furman, M. S.

TITLE: Oxidation¹ of Cyclohexanol and Cyclohexanone by Nitric Acid Under Pressure. Oxidation of Cyclohexanol by Nitric Acid Under Pressure Without a Catalyst 1

PERIODICAL: Khimicheskaya promyshlennost', 1960, No. 6, pp. 15-20

TEXT: The oxidation of cyclohexanol with nitric acid in the liquid phase to adipic acid was first performed by N. D. Zelinskiy who used ammonium vanadate as a catalyst. SeO_2 , salts of metals of variable valence, V_2O_5 , combined Cu^{2+} - ammonium-metavanadate catalysts, and ammonium-vanadate - sodium-nitrite catalysts were used later. Ye. N. Zil'berman, S. I. Suvorova, and Z. S. Smolyan (Ref. 10) studied the effect of additions of copper, ammonium vanadate, bismuth nitrate, and of the combined Cu-V catalyst. Further, the authors studied the positive effect of nitrogen oxides dissolved in nitric acid, of pressure (see the papers by S. S. Nametkin (Ref. 17) and M. I. Konovalov (Ref. 18)), of temperature

Card 1/3

85641

Oxidation of Cyclohexanol and Cyclohexanone
by Nitric Acid Under Pressure. Oxidation of
Cyclohexanol by Nitric Acid Under Pressure
Without a Catalyst

S/064/60/000/006/002/011
B020/B054

and concentration of the nitric acid, and of the quantitative ratio between the oxidized compound and the nitric acid. In the first step, the reaction temperature should be as low as possible. The temperature in the second step of oxidation has a considerable effect on the adipic acid yield. The reaction was conducted at an HNO_3 concentration of about 60%, a molar ratio of HNO_3 : cyclohexanol = 6, and a temperature of 55°C in the first step. The oxidation was performed in a 500-cm^3 stainless-steel autoclave. The determination of adipic, glutaric, and succinic acid in the mother liquor and the wash waters was made by means of partition chromatography on diatomite with the assistance of G. T. Levchenko and I. G. Solov'yeva. The pressure dependence of the reaction was investigated at pressures from 1 to 15 atm. In the pressure range 1-10 atm, the yield in adipic acid and liberated gas is not influenced by pressure. The adipic acid yield is slightly reduced at higher pressures. The pressure dependence of the yield in lower dicarboxylic acids is complicated, a distinct minimum occurring at 10 atm in glutaric and oxalic acid as well

Card 2/3

85641

Oxidation of Cyclohexanol and Cyclohexanone
by Nitric Acid Under Pressure. Oxidation of
Cyclohexanol by Nitric Acid Under Pressure
Without a Catalyst

S/064/60/000/006/002/011
B020/B054

as in CO_2 . The yield in succinic acid rises linearly with pressure. The pressure-dependence curve for the yield of the sum ($\text{NO} + \text{NO}_2$) shows the same course as that for glutaric and oxalic acid as well as CO_2 . On the basis of the reaction mechanism assumed, the consumption of nitric acid is calculated, and the results are compared with experimental data (Table 4). The reaction mechanism assumed was also confirmed by the calculated composition of the gaseous reaction products, and a number of theoretical and experimental data. There are 3 figures, 4 tables, and 24 references: 9 Soviet, 6 US, 5 British, 2 German, 1 Canadian, and 1 Austrian.

X

Card 3/3

LUBIANITSKIY, I.Ya.; MIMATI, R.V.; FURMAN, M.S.

Oxidation of cyclohexanol and cyclohexanone by nitric
acid under pressure. Khim. prom. no. 6:453-458 8 '60.
(MIRA 13:11)

(Cyclohexanol) (Cyclohexanone) (Nitric acid)

S/064/60/000/007/001/010
B020/B054

AUTHORS: Lubyanitskiy, I. Ya., Minati, R. V., and Furman, M. S.
TITLE: Oxidation of Cyclohexanol and Cyclohexanone by Nitric Acid
Under Pressure. Oxidation of Cyclohexanol by Nitric Acid
Under Pressure in the Presence of a Catalyst

PERIODICAL: Khimicheskaya promyshlennost', 1960, No. 7, pp. 1 - 5

TEXT: Nearly all publications concerning the use of catalysts for the oxidation of cycloalkanes and their derivatives are written in the form of patents. The mechanism of catalysis in this process is unclear. According to Ye. N. Zil'berman et al., Cu- and ammonium metavanadate ions have different effects on the yields of lower dicarboxylic acids. While the glutaric acid yield is reduced in the presence of Cu, the oxalic acid yield practically vanishes in the presence of ammonium metavanadate. These phenomena are also observed with the use of a combined catalyst; here, the adipic acid yield considerably exceeds the total attained with a separate use of Cu and ammonium metavanadate. The catalytic action of vanadic anhydride and ammonium metavanadate was also observed in

Card 1/4

Oxidation of Cyclohexanol and Cyclohexanone by Nitric Acid Under Pressure. Oxidation of Cyclohexanol by Nitric Acid Under Pressure in the Presence of a Catalyst S/064/60/000/007/001/010 B020/B054 ✓

oxidations of other cycloalkanes and aliphatic compounds with HNO_3 . All publications are in agreement as to the question of the catalyst dosage. In the present paper, the authors studied these problems by the example of oxidation of cyclohexanol with nitric acid, as well as the mechanism of action of the combined catalyst. 6,6-nitro-hydroxy-imino hexanoic acid (I) was synthesized as an intermediate to investigate the intermediate stages of the reaction; I was oxidized with nitric acid to adipic acid at 60-80°C. The optimum ratio of components was at an HNO_3 concentration of 55% and a molar ratio $\text{HNO}_3:\text{C}_6\text{H}_{11}\text{OH} = 3$; the temperature in the first reaction stage (introduction of raw material) was 60°C, and in the second stage (end of oxidation) 100°C. The total concentration of the catalyst was 0.01 moles/l each, while the ratio between the catalyst components was changed within the whole concentration range. Fig.1 shows the results of these experiments. The optimum molar ratio $\text{Cu}:\text{NH}_4\text{VO}_3$ is 1, while other authors stated 5.5. To investigate the

Card 2/4

Oxidation of Cyclohexanol and Cyclohexanone S/064/60/000/007/001/010
by Nitric Acid Under Pressure. Oxidation of B020/B054
Cyclohexanol by Nitric Acid Under Pressure in the
Presence of a Catalyst

stages of the process with the use of a catalyst, I was synthesized at concentrations of the combined catalyst of 0-0.05 moles/l, and a constant molar ratio $\text{Cu:NH}_4\text{VO}_3 = 1$. Fig.2 shows that the yield in I mainly depends on the concentration of the catalyst, a concentration between 0.01 and 0.03 moles/l being the optimum. In the oxidation of I with 67% HNO_3 at 60-80°C, I is quantitatively transformed to adipic acid (Table 1). The authors studied the stability of glutaric, succinic, and oxalic acid in boiling with 43% HNO_3 in the presence and absence of the catalyst, and give the results in Table 2. They investigated the effect of an over-pressure of 1-15 atmospheres on the oxidation of cyclohexanol with 60% HNO_3 . Fig.3 shows the pressure dependence of the yields in dicarboxylic acids and CO_2 , and Table 4 gives the mean yields in gaseous products per 1 mole of dicarboxylic acids. Fig.2 shows that the effect of the catalyst is only noticeable in the formation of I. Optimum over-pressure is 2-4 atm. The authors determined the reaction mechanism and the consumption of HNO_3 both theoretically and practically. G.I.Kostylev

Card 3/4

Oxidation of Cyclohexanol and Cyclohexanone S/064/60/000/007/001/010
by Nitric Acid Under Pressure. Oxidation of B020/B054
Cyclohexanol by Nitric Acid Under Pressure in the
Presence of a Catalyst ✓

and Ye. I. Ishchenko assisted in the experimental part of the investigation. There are 3 figures and 4 tables.

Card 4/4

LUBYANITSKIY, I.Ya.; MINATI, R.V.; FURMAN, M.S. (Moscow)

Kinetics of conversion of 6,6-nitrohydroxyiminohexanoic acid to adipic acid. Zhur. fiz. khim. 36 no.3:567-574 Mr '62.
(MIRA 17:8)

1. Gosudarstvennyy institut azotnoy promyshlennosti.

ACCESSION NR: AT4033531

8/0000/63/000/000/0017/0050

AUTHOR: Gol'dman, A. M. (Candidate of chemical sciences); Kostylov, G. I.;
Lubyanskiy, I. Ya. (Candidate of chemical sciences); Minati, R. V.;
Preobrazhenskiy, V. A.; Sedova, S. M.; Trubnikova, V. I.; Furman, M. S.
(Doctor of chemical sciences)

TITLE: Derivation of adipic acid by nitric acid oxidation of the products of
air oxidation of cyclohexane

SOURCE: Poluprodukty* dlya sinteza poliamidov (Intermediates for polyamide
synthesis). Moscow, Goskhimizdat, 1963, 17-50

TOPIC TAGS: adipic acid, cyclohexanol, cyclohexane, phenol, nitric acid, cy-
clohexane air oxidation, cyclohexanol air oxidation, cyclohexanol nitric acid
oxidation, adipic acid derivation, phenol hydrogen reduction, nitric acid
oxidation catalyst, adipic acid plant, bulk reactor

ABSTRACT: This extensive report reviews existing literature on adipic acid
and its derivation, considers in detail the theory and mechanism of cyclohexanol
oxidation with nitric acid (chemical equations are included) and reports the
effect of various catalysts on the efficiency of the process.

Card 1/4

ACCESSION NR: AT4033531

Experimental studies of the process (equipment illustrated) were carried out at 1, 3.5 and 7 atm, 1st stage temperature 70C, 2nd stage 100C, nitric acid concentration 57% by weight, weight ratio of (100%) nitric acid to organic raw material 4.5:1. Results are tabulated (see table 1 in the Enclosure). Special experiments concerned X-oil residue and its oxidation with nitric acid. Analysis of the derived adipic acid showed that double recrystallization (water) and activated carbon purification of the latter provides material satisfying all government specifications relating to production of the so-called "AG" salt (a polycondensate of adipic acid and hexamethylenediamine). Experimental continuous production equipment capable of producing 100 kg of adipic acid per day was assembled and used in a series of experiments to study design requirements and optimal process factors for industrial production. The experiments involved cyclohexanol derived from hydrogen reduction of phenol and atmospheric air oxidation of cyclohexane. First stage temperature was 55 to 70C (60 to 65C for phenol-derived material), second stage and blow-off column was at 100C, nitric acid concentration 57% by weight, weight ratio as above was 4 to 4.5:1. It is concluded that bulk type reactors are suitable for continuous nitric acid oxidation at atmospheric pressure. Maximal yield of adipic acid from phenol-derived cyclohexanol in the presence of a catalyst was 1.25 kg per 1 kg of raw material. "The method of dispersion chromatography on diatomaceous brick was

Card 2/4

ACCESSION NR: AT4033531

developed by G. T. Levchenko, I. G. Solov'yeva and I. G. Malkova of GIAP. V. R. Ruchinskiy of GIAP also took part in the work." Orig. art. has: 11 tables, 6 graphs, 7 illustrations and 14 chemical formulas.

ASSOCIATION: None

SUBMITTED: 12Oct63

DATE ACQ: 06Apr64

ENCL: 01

SUB CODE: OC

NO REF SOV: 019

OTHER: 012

3/4

0

Card

ACCESSION NR: AT4033531

ENCLOSURE: 01

Table 1

Oxidation of cyclohexanol at atmospheric pressure (catalyst in % of the weight of organic raw material
0.7 Cu, 0.2 NH_4VO_3)

Organic raw material	Composition of reaction gases, vol. %					Yield of dicarboxylic acid, g/g of organic raw materials		Nitric acid consumption, g/g of adipic acid	
	$\text{NO}_2 + \text{N}_2\text{O}_4$	NO	H_2O	N_2	CO_2	adipic acid	glutaric acid	succinic acid	
Cyclohexanol									
from phenol	2.6	28.7	41.2	20.8	6.7	1.29	0.035	0.028	0.88
from cyclohexane	9.5	16.4	38.0	22.8	13.1	1.29	0.110	0.080	1.04

4/4

SOKOLOVSKIY, A.; MEATSAGANOVA, V.

Costs, Industrial

"New forms of competition to lower the cost of production." Vop. ekon. No. 4., 1952

Monthly List of Russian Accessions. Library of Congress, August 1, 1952. Unclassified.

E 31020-66

ACC NR: AP6022966

SOURCE CODE: UR/0292/65/000/012/0001/0004

AUTHOR: Stanislavskiy, L. Ya. (Candidate of technical sciences); Minatsevich, E. N. (Engineer); Kalmykov, I. Z. (Engineer)

ORG: none

TITLE: Capsule hydrogenerators of the Kiev hydroelectric station

SOURCE: Elektrotehnika, no. 12, 1965, 1-4

TOPIC TAGS: hydroelectric power plant, turbine

ABSTRACT: The Kiev hydroelectric station was equipped in 1964-1965 with four capsule hydro sets - directly connected generators and turbines. These are first of the 20 hydro sets SGK 538/160-70, and the paper gives detailed characteristics of these 16,300 kVA units and discusses the peculiarities of their design, construction, and assembly. Their power factor is 1, voltage 3,150 V, stator current 2,990 A, rated speed 85.7 rev/sec, and the induction within the air gap during idling 7,500 Gauss. Tests showed a very good agreement between the theoretical and experimentally measured characteristics of the units. Results obtained thus far confirm the feasibility of capsule generator design and indicate that their power can be increased by a substantial amount. Electrical tests were carried out by the NIITEM ? under the direction of Eng. P. Ya. Kartashevskiy, while the material strength tests were carried out by the Scientific-Research Station (Nauchno-issledovatel'skaya stantsiya) of the Gidroproyekt under the direction of Eng. G. A. Beschastnov. Orig. art. has: 5 figures and 3 tables. [JPRS]

SUB CODE: 10 / SUBM DATE: none / ORIG REF: 002

Card 1/1

UDC: 621.313.322-82.001.3

MINATSEVICH, Iosif Karlovich; BALAKIREV, Nikolay Gavrilovich; LEVCHENKO,
Ya.V., inzh., red.; GVIITS, V.L., tekhn.red.

[New building material "mokhovit" and its production] Mokhovit -
novyi stroitel'nyi material i ego proizvodstvo. Leningrad.
Leningr.dom nauchno-tekhn.propagandy, 1958. 15 p. (Informatsionno-
tekhnicheskii listok, no.32. Stroitel'naya promyshlennost')

(MIRA 12:12)

(Building materials)

MINATULLAYEV, N.A. [Minatullaiev, N.A.]

Systematic independence and geographic range of some wormwood
species (*Artemisia* L.) in the Caucasus and the Ukraine. Ukr.
bot. zhur. 21 no.6:69-75 '64. (MIRA 18:2)

1. Dagestanskiy gosudarstvennyy universitet, Makhachkala.

MINATULLAYEV, N.A. [Minatullaiev, N.A.]

New species of Daghestan wormwoods. Ukr. bot. zhur. 22 no.3:
30-37 '65. (MIRA 18:7)

1. Dagestanskiy gosudarstvennyy universitet im. V.I. Lenina,
otdel rastitel'nykh resursov, Makhachkala.

Country : U.S.S.R.
CATEGORY : Pharmacology, Toxicology. Vitamins
ABS. JOUR. : RZBiol., No. 12 1958, No. 56743
AUTHOR : Minoy, B.
TITLE : The wild rose, the highbush Cranberry
ORIG. PUB. : Sel'sk. Gaspadaria Belarusi, 1957, No.5, 43
ABSTRACT : Descriptions are given of the properties of the
wild rose and of the highbush cranberry which are
of use.

CARD: 1/1

MINACHEV, N.D.

Exhibition of works of the Academy of Sciences of the U.S.S.R.
Vestnik SSSR 26 no.8:45-52 Ag '56. (MLRA 9:9)
(Academy of Sciences of the U.S.S.R.) (Moscow--Exhibitions)

L 34379-66 EWT(1)/EWP(e)/EWT(m)/EWP(t)/ETI IJP(c) JD/GG/WH

ACC NR: AP6022204

SOURCE CODE: UR/0115/66/000/005/0056/0058

AUTHOR: Yagola, Yu. G. (Doctor of technical sciences); Minaychev, V. Ye.

ORG: none

TITLE: Measuring the thickness of dielectric films during deposition

SOURCE: Izmeritel'naya tekhnika, no. 5, 1966, 56-58

TOPIC TAGS: dielectric capacitor, dielectric constant, microelectronic thin film

ABSTRACT: A simple way to measure the thickness of dielectric thin films during deposition is described. The method is based on the fact that, up to several dozen

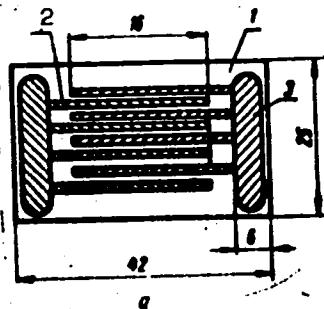


Fig. 1. Sampling capacitance

1 - Quartz substrate; 2, 3 - aluminum strips.

Card 1/3

UDC: 531.717:539.228:537.226

L 34379-66

ACC NR: AP6022204

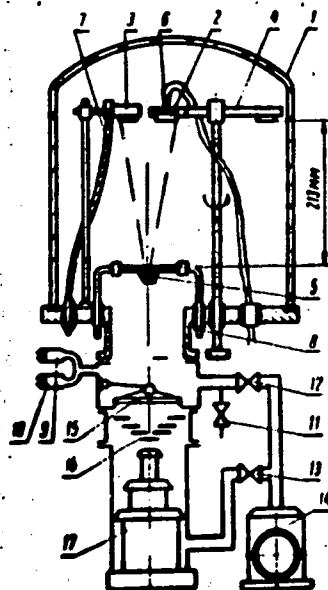


Fig. 2. Film measuring device

1 - Cover; 2 - operating substrate; 3 - capacitive sample; 4 - nine-position sample holder; 5 - vapor source; 6 - thermocouple; 7 - input leads; 8 - high current leads; 9, 10 - manometers; 11, 12, 13 - valves; 14 - mechanical pump; 15 - high vacuum stopcock; 16 - water-cooled trap; 17 - diffusion pump.

Card 2/3

L 34379-66

ACC NR: AP6022204

microns, the thickness of the film is practically a linear function of its dielectric constant ϵ . Thus, by using a film sample as a capacitance dielectric and observing the change in ϵ during deposition, the authors obtain a continuous readout calibrated in microns. Fig. 1 details the sampling capacitance and Fig. 2 shows the test apparatus. To minimize temperature error, quartz was used as the sample substrate.

Dielectric	Deposit rate, μ/sec	Temp. $^{\circ}\text{C}$	Recording sensitivity, pf/μ	Calibration limit of film thickness, μ
SiO	$(1 \pm 5) \cdot 10^{-3}$	200	0.27	30
SbS ₃	$(1 \pm 20) \cdot 10^{-3}$	20	0.63	30
Chalcogenide glass	$(0.5 \pm 20) \cdot 10^{-3}$	20	0.33	50

The original calibration of the device was made against standard interferometer readings of film thickness; this step accounted for most of the error ($\pm 6\%$) of the technique. The overall accuracy, within measured capacity limits of 0.1 to 50 pf, is estimated at $\pm 8-10\%$. The results of tests on three dielectrics are given in the table. Orig. art. has: 3 figures, 3 formulas and 1 table. [SH]

SUB CODE: 14, 09/ SUBM DATE: none/ ORIG REF: 003/ OTH REF: 002/ ATD PRESS: Card 3/3 5034

MINAYENKOVA, V. S.

AUERMAN, L.Ya.; OSTROVSKIY, Ya.G.; GINZBURG, A.S.; ZHURAVLEV, N.N.;
PALUNINA, Z.P.; MINAYENKOVA, V.S.; KOZHEVNIKOVA, Ye.P.;
SUVOBOVA, M.A.

Use of electric contact heating for preparing scalded wheat
flour mash and for investigating the saccharification of mash.
Trudy MTIPP 4:62-70 '56. (MLRA 9:10)

(Dough) (Starch) (Amylases)

L 20243-65 ENT(d)/ENT(m)/FA/EWP(f)/EWP(c)/EWA(d)/EWP(k)/EWP(h)/EWP(l)
Pr-4 LADC(a)/ADD(f)-3 LBF

ACCESSION NR: AP5001806

S/0209/64/000/012/0018/0023

AUTHOR: Minayev, A. (Engineer)

TITLE: [Soviet production of military aircraft, 1939-1964]

SOURCE: Aviatziya i kosmonavtika, no. 12, 1964, 18-23

TOPIC TAGS: Soviet fighter, supersonic speed, speed record, fighter plane

ABSTRACT: In this article the author takes a retrospective view of the military aircraft produced by Soviet industry during the past 25 years. Mention is made of the following models: The I-200 (MiG-1)

Card 1/3

L 20243-65

ACCESSION NR: AP5001806

4
engine I-300(F) jet fighter, later called MiG-9, was begun in February 1945, and it was first flown by the outstanding Soviet test pilot A. Grinchik in April 1946; its top speed was 911 km/hr. Work on the MiG-15 jet fighter started in March 1947. This aircraft was equipped with the RD-45F engine (maximum thrust 2 270 kg) and had a swept-back wing (35° angle).

with the RD-45F engine (maximum thrust 2 270 kg) and had a swept-back wing (35° angle), a sealed cockpit with catapulting seats, and disposable wing tanks. The superior performance of this plane is said to have been established during the Korean War. In 1949, a new version of the MiG-15, the MiG-17 was designed. This 45° swept-back wing aircraft was the first to reach the speed of sound in horizontal flight (test pilot was I. Ivashchenko). The MiG-19, powered by two turbojet engines, was designed in 1952—1954 and became the first Soviet mass-produced supersonic fighter. It used a moving stabilizer, and automatic temperature control, and was an all-weather plane. The Ye-66 all-metal triangular-wing turbojet is considered the triumph of Soviet aviation technology. Absolute world speed records were set with this airplane in 1959 by G. M. Beriev.

established new world records which still stand. Gosolov flew this

Card 2/3

L 20243-65

ACCESSION NR: AP5001806

plane at a record speed of over 3000 km/hr. Orig. art. has: 4 figures and 2 tables.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: AC

NO REF SOV: 000

OTHER: 000

ATD PRESS: 3163

Card 3/3

MINAYEV, H.H.

AID P - 3437

Subject : USSR/Electricity
Card 1/2 Pub. 27 - 4/32
Authors : Zemlyanoy, M. I., Kand. Tech. Sci., A. A. Minayev,
P. V. Chebyshev, Engs.
Title : Experimental study of waterwheel generator ventilation
Periodical : Elektrichestvo, 10, 13-17, 0 1955
Abstract : The authors present a method of testing experimentally the ventilation of waterwheel generators with an electrothermal anemometer. Because of the small scale of the measuring element, measurements of air velocity and temperature inside the machine and also in the generator rotor are made possible in not easily accessible sections. Instructions are given as to the determination of the total discharge of air in the generator, in the ventilators and across the frontal parts, and also a method of measuring the velocity area inside the radial channels in the

ZEMLYANOV, M.I.; MINAYEV, A.A.

Ways for improving ventilation in high-power hydrogenerators.
Elektrosila no.14:71-82 '56. (MIRA 12:12)
(Electric generators--Ventilation)

ZEMLYANOV, M.I., laureat Stalinskoy premii, kandidat tekhnicheskikh nauk; MINAYEV, A.A.,
inzhener.

Study of the ventilation and heat processes of hydraulic generators
at the Dnieper Hydroelectric Power Station. Vest. elektroprom. 27
no.1:17-22 Ja '56. (MIRA 9:6)

1. Nauchno-issledovatel'skiy institut Ministerstva elektropromyshlen-
nosti.

(Electric generators--Cooling)(Dnieper Hydroelectric Power Station)

ZEMLYANOV, M.I., kandidat tekhnicheskikh nauk; VOROB'YEV, V.P., inzhener;
MINAYEV, A.A., inzhener.

Results of testing the TV2-150-2 turbogenerator cooled by hydrogen at
low pressures. Vest.elektroprom.27 no.2:35-39 P '56. (MIRA 9:7)

1.Nauchno-issledovatel'skiy institut Ministerstva elektromyshlennosti.
(Electric generators--Testing)

S/169/62/000/004/020/103
D228/D302

AUTHORS: Gil'denskiol'd, R. S. and Minayev, A. A.

TITLE: Gravimetric method of determining dust in the atmosphere with the use of a filter and ϕ ///-15-1.5 (FPP-15-1.5) cloth

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 4, 1962, 10, abstract 4B78 (Gigiyena i sanitariya, no. 1, 1962, 40-46)

TEXT: A method is described for determining the dust content of air with the help of filters and FPP-15-1.5 cloth, obtainable by means of electrostatic spinning. The constant electrification of the cloth promotes the settling of aerosol particles upon its surface. The small weight of the cloth itself allows microweighing to be carried out. The results of the technique's verification and of its comparison with other methods are given. [Abstracter's note: Complete translation.] ✓

Card 1/1

ACC NR: AP6024422

SOURCE CODE: UR/0240/66/000/007/0121/0122

AUTHOR: Gusev, M. I.; Minayev, A. A.

ORG: Moscow Hygiene Research Institute (Moskovskiy nauchno-issledovatel'skiy institut gigiyeny im. F. F. Erismana)

TITLE: Determining latent reflex time in hygienic standardization of toxic substances in the air

SOURCE: Gigiyena i sanitariya, no. 7, 1966, 121-122

TOPIC TAGS: microclimate, toxin, pharmacology, toxicology, physiology, ^{CENTRAL}nervous system, air pollution, environment study

ABSTRACT:

In pharmacological, physiological, and community hygiene studies, measurement of the latent reaction time is a sensitive indicator of the condition of the nervous system. One can infer much about the state of morphological and functional structures such as receptors, afferent nerves, nerve centers, efferent nerves, and effectors. S. I. Gorshkov has demonstrated a reflexogenometer for exact measurement of latent reaction time of rats in aerosol chambers. Substances introduced into the chambers were α -methylstyrene,

Card 1/2

UDC: 614.72:615.9]-07:612.833.91

ACC NR: AP6024422

epichlorhydrin, ammonia, and sulfur dioxide and phenol together. Definite changes in cholinesterase activity and in blood chemistry were observed in the animals studied.

[W.A. 50; CBE No. 10]

SUB CODE: 06/ SUBM DATE: none/

Card 2/2

~~16(1), 16(2)~~ /6.6800

66531

AUTHORS: Minayev, A.F., and Kadyrov, Kh.

SOV/166-59-3-4/11

TITLE: On the Numerical Determination of the Complex Eigenvalues and Forms of a Real Matrix by an Electronic Computer

PERIODICAL: Izvestiya Akademii nauk Uzbekskoy SSR, Seriya fiziko-matematicheskikh nauk, 1959, Nr 3, pp 23-34 (USSR)

ABSTRACT: The authors consider oscillations of a linear elastic system with several degrees of freedom and with a damping proportional to the first power of the oscillating velocity. In general the solution of the motion equations is combined with extended calculation. The author shows (under restriction to small oscillations) that by use of matrices the first eigenfrequencies and the corresponding oscillation forms can be obtained relatively simple with the aid of an iteration method. The numerical calculation according to the proposed method was carried out on the computer BESM of the Academy of Sciences of the USSR. The results are given. There is 1 table, and 2 Soviet references.

ASSOCIATION: Institut matematiki imeni V.I. Romanovskogo AN Uz SSR
(Mathematical Institute imeni V.I. Romanovskiy AS Uz SSR)

SUBMITTED: February 23, 1959
Card 1/1

4

YEKTOV, I.M., inzhener; MIKHAYEV, A.F., inzhener; VOLOBUYEV, V.I., kandidat ekonomicheskikh nauk; ~~FRANCOV~~, I.N., inzhener.

Modernisation of the "250" light-section rolling mill. Stal' 15 no.2: 143-146 P '55. (MIRA 8:5)

1. Stalinskiy metallurgicheskiy zavod i Ukrainskiy institut metallov. (Rolling mill machinery)

MINAYEV, A.F.

✓ Improvement of Guides for Rolled Products. A. F. Minayev and N. F. Lebednyatsaya. (Stal', 1955, (2), 146-149). [In Russian]. Improved designs of rolling-mill guides for rounded sections are described and their performances at the Stalin metallurgical works are compared with those of previously used types.—S. K.

2

18.5100 .

18107

SOV/133-60-3-12/24

AUTHORS: ~~Minayev, A. P.~~ (Engineer), Bafedov, A. A. (Candidate of Technical Sciences), Teloskin, N. V., Terminosyan, K. S., Kurilov, A. I., Skashkov, L. N., Polyakov, M. M., Lipovetskiy, I. A., deceased (Engineers)

TITLE: Two-Line Rolling With Repeaters of Deformed Concrete Reinforcing Bars

PERIODICAL: Stal', 1960, Nr 3, pp 234-243 (USSR)

ABSTRACT: The introduction of two-line rolling of deformed concrete reinforcing bars on a redesigned small section 280 mm mill at Yenakievo Plant (Yenakievskiy metallurgicheskiy zavod) has increased the mill's hourly productivity by about 70%. The rolling is almost fully mechanized and automated by the addition of two-line repeaters in front and in the rear part of the mill. The following participated in the work: N. A. Abramenko, A. P. Mikhaliuchenko, I. N. Galakhov, I. I. Ivanov, A. A. Gusakov, I. P. Antonyuk, N. K. Nikolenko, V. A. Ternavskiy, V. D. Syromyatnikov, P. S. Bogomolov, R. V. Knoblokh, I. Berestetskiy,

Card 1/7

Two-Line Rolling With Repeaters of
Deformed Concrete Reinforcing Bars

78187

SOV/133-60-3-12/24

N. I. Pendyurin, V. G. Malinovsky, Z. I. Ber (deceased), G. E. Shcherbira, S. S. Aptekar', K. F. Koshelenko, and a team of workers of the small section rolling shop. Modernization of the mill was started in 1952 by the installation of (1) mechanized cooler; (2) flying shears; (3) three-zonal continuous two-row recuperative furnace with mechanized metal supply and delivery; (4) tilting table; (5) electric 1,170-hp motor; (6) electric motor for the roughing line. Of the various methods of two-line rolling tried at the mill, the arrangement shown in Fig. 2 was accepted as most satisfactory. Two-line rolling required the use of a vertical repeater on the roughing line and a two-trough horizontal repeater in front of the finishing line (Figs. 5 and 7). The above repeaters are simple in design and reliable in performance. Forged steel delivery guides used in the mill are produced by hot twisting, at 800-850°C, to the required angle of turning. There are 10 figures; 1 table; and 3 Soviet references.

Card 2/7

Two-Line Rolling With Repeating of
Deformed Concrete Reinforcing Bars

Fig. 2. 1974

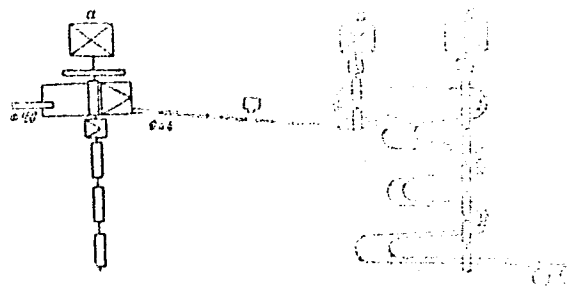
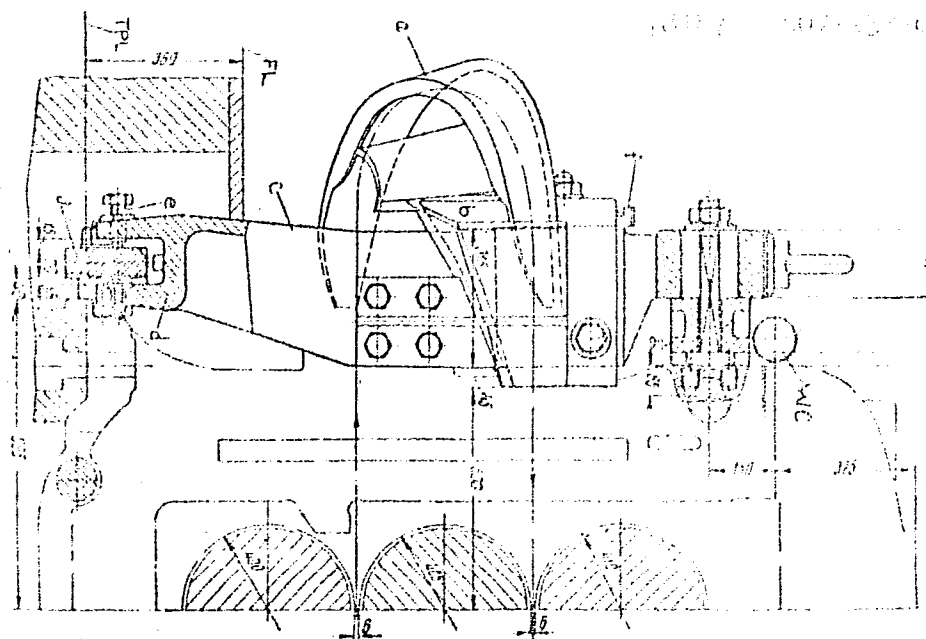


Fig. 2. Schematic diagram of two-line rolling on 280 mm mill at Kramatorsk Plant Imeni Kuybyshev (Kramatorskiy zavod Imeni Kuybysheva): (a) 620 mm reducing line; (b) 325 mm roughing line; (c) 280 mm finishing line.

Card 3/7



Card 4/7

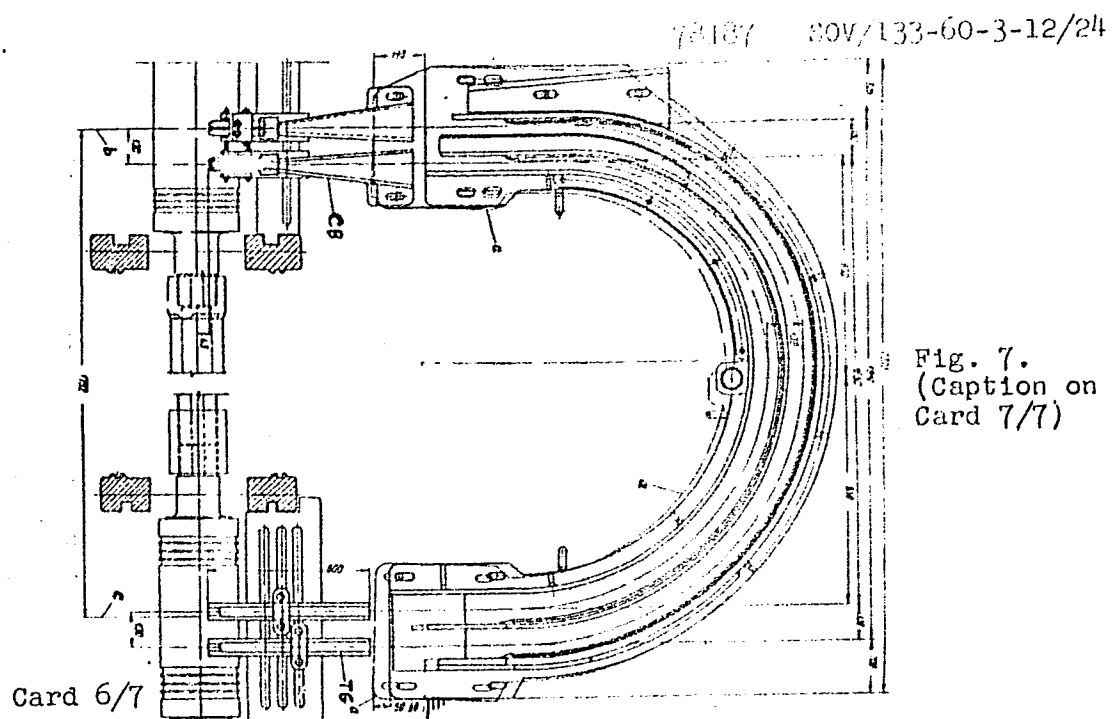
(Caption to Fig. 5 on Card 5/7)

Two-Line Rolling With Repeater of
Deformed Concrete Reinforcing Bars

LOG/111-60-3-12/24

Fig. 5. Vertical repeater for three-high roughing line: (a) body (trough); (b) chisel; (c) stand; (d) rack; (e) screwdow; (f) chisel; (g) top traverse; (h) bottom traverse; (WC) water collector; (FL) floor level; (TPL) top plate level.

Card 5/7



Two-Line Rolling With Repeaters of
Deformed Concrete Reinforcing Bars

78157
SOV/133-00-3-12/20

Fig. 7. Design of horizontal two-trough repeater between 6th and 7th stands of finishing line; (CB) collector and box with passes; (LG) turning guide; (a) line of desired approximation of repeater for improved loop formation; (b) 7th-stand axis; (c) 6th-stand axis.

ASSOCIATIONS: Yenakievo Metallurgical Plant, Dneprodzerzhinsk Metallurgic Evening Institute (Dneprodzerzhinskiy vecherniy metallurgicheskiy institut)

Card 7/7

TREGUBOV, B.G., gornyy inzh.; KOVALENKO, V.A., gornyy inzh.; OLEYNIK, Yu.M., gornyy inzh.; MINAYEV, A.G., gornyy inzh.

Reply to A.I.Churakov's article "Upraise mining by means of Sectional blasting of deep holes in mines of the Kursk Magnetic Anomaly." Gor. zhur. no.9:78-79 S '62. (MIRA 15:9)

1. Institut gornogo dela Sibirskogo otdeleniya AN SSSR (for Tregubov).
2. Gornoye upravleniye Kuznetakogo metallurgicheskogo kombinata (for Kovalenko).
3. Rudnik "Tashtagol" (for Oleynik).
4. Rudnik "Temir-Tau" (for Minayev).

(Kursk magnetic anomaly--Mining engineering)
(Blasting)

MINAYEV, A.I., starshiy teplotekhnik

Steel stopper. Neftianik 6 no.7:25 J1 '61.
(Boilers)

(MIRA 14:7)

MINAYEV, A.I.; PETROVA, G.L. (Moskva)

Kinetics of the catalytic decomposition of H_2O_2 by chromium
and calcium salts. Zhur. fiz. khim. 35 no.7:1512-1517
Jl '61. (MIRA 14:7)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova
i Moskovskiy tekstil'nyy institut.
(Hydrogen peroxide) (Catalysis)

BOGDANOV, G.A.; PETROVA, G.L.; MINAYEV, A.I. (Moskva)

Calcium peroxychromates and the mechanism of the catalytic decomposition of H_2O_2 by chromates. Zhur.fiz.khim. 35 no.8:1716-1717 Ag '61. (MIRA 14:8)

1. Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova
i Moskovskiy tekstil'nyy institut.
(Calcium chromate)
(Hydrogen peroxide)

L 10597-63

Pu-4 WW/JW/JD

EPF(n)-2/EWA(h)/EWP(q)/BDS/EMT(1)/EMT(m)

AFFTC/ASD/SSI

ACCESSION NR: AP3000204

S/0136/63/000/005/0067/0075

AUTHOR: Minayev, A. I.; Kerzhentsev, V. V.

TITLE: Average specific heat capacity² of thermo-metals and alloys, composing thermo-bimetallic elements 65

SOURCE: Tsvetnyye metally, no. 5, 1963, 67-75

TOPIC TAGS: thermal capacity thermo-bimetallics, alloys, massive calorimeter, additive deviations

ABSTRACT: The average heat capacity of (nine) ferro-nickel alloys with their active and passive thermo-bimetallic components and (eleven) makes of thermo-metallic plates have been studied by a method known as the bulk calorimeter method.

It has been found that the coefficient of heat expansion of alloys that have as their components active bimetallic elements is larger than that of the alloys with passive components. The smallest coefficient of heat expansion was found in the ferro-nickel alloy (invar) with 36% Ni. The temperature curve of the thermo-bimetallics was found to take a path between two other temperature curves of the corresponding elements composing the thermo-bimetallics. This rule prevailed in all experiments with other makes of thermo-bimetallics. Orig. art. has: 3 equations, 4 figures and 4 tables. Card 1/2

MINAYEV, A. M.

Minayev, A. M.

"Teaching students in the second through fourth classes of the Uzbek school a correct Russian pronunciation." Acad Sci RSFSR. Sci Res Inst of Teaching Methods. Moscow, 1956. (Dissertation for the Degree of Candidate in Pedagogical Science)

So: Knizhnaya letopis', No. 25, 1956

MINAYEV, A.M.

~~Role of water~~ in the epidemiology of typhoid fever where there is
a centralized water supply. Zhur.mikrobiol.epid. i immun. 28 no.5:
33-36 May '57. (MLRA 10:7)

1. Iz Gor'kovskogo meditsinskogo instituta i Gor'kovskogo instituta
epidemiologii, mikrobiologii i gigiyeny
(TYPHOID FEVER, epidemiol.
role of water in centralized water supply)

1. 09228-67 EWT(m)/EWP(w)/EWP(t)/ETI LJP(c) JD

ACC NR: AP6035954

SOURCE CODE: UR/0129/66/000/010/0045/0047

AUTHOR: Gulyayev, A. P.; Minayev, A. M.

ORG: Moscow Institute of Chemical Machinery (Moskovskiy institut khimicheskogo mashinostroyeniya)

TITLE: Study of notch toughness in austenitic steels at low temperatures

SOURCE: Metallovedeniye i termicheskaya obrabotka metallov, no. 10, 1966, 45-47

TOPIC TAGS: low temperature, ^{metal,} austenitic steel, steel ^{high strength} ~~notch toughness~~ / Kh18N10T steel, Kh17N13M3T steel

ABSTRACT: Specimens of Kh18N10T and Kh17N13M3T steels, annealed at 1050C and water quenched, have been tested for notch ~~toughness~~ at temperatures from +20 to -196C. It was found that though neither steel contained martensite after annealing and quenching, some martensite was found in fractured specimens in the notch-adjacent area. This martensite was formed under the effect of deformation. It began to form in Kh18N10T steel at about +20C and in Kh17N13M3T steel at about -100C. The notch toughness of Kh17N13M3T steel first drops with decreased temperature to a minimum of about 19 kgm/cm² at -100C and then begins to increase, while that of Kh18N10T steel increases with decreasing temperature to maximum of 22-38 mkg/cm² (depending on the specimen type) at about -100C, and then begins to drop. It was established that if austenite does not transform during impact tests, the notch toughness decreases steadily with

Card 1/2

UDC: 669.14.013.298.8:620.163.4

L 09998-67

ACC NR: AP6035954

temperature decreases. The formation of martensite during testing increases the work required for crack initiation, but reduces the work for crack propagation. In this case, the curve of the temperature dependence of the notch toughness has a maximum. Orig. art. has: 4 figures.

SUB CODE: 11/ SUBM DATE: none/ ATD PRESS: 5105

Card

2/2

MINAYEV, A.N.

MINAYEV, A.N.: "Continuous high-speed heating of round billets before broaching".
Dnepropetrovsk, 1955. Min Higher Education Ukrainian SSR. Dnepropetrovsk, Order.
of Labor Red Banner Metallurgical Inst imeni I.V. Stalin. (Dissertations
for the Degree of Candidate of Technical Sciences).

SO: Knizhnaya letonis' No 45, 5 November 1955. Moscow.

MINAYEV, H. N.

137-58-3-5115

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 3, p 92 (USSR)

AUTHORS: Tayts, N. Yu., Sitkovskiy, I. S., Minayev, A. N.

TITLE: High-speed Heating of Stock in Sectional Furnaces (Skorostnoy nagrev zagotovok v sektionnykh pechakh)

PERIODICAL: Byul. nauchno-tekhn. inform. Vses. n.-i. trubnyy in-t, 1957, Nr 3, pp 75-85

ABSTRACT: A report on the results of an investigation carried out in a twin-chamber furnace of VNITI design, intended to establish thermal parameters essential in design of sectional furnaces, employed for continuous, high-speed heating of round stock (S) prior to broaching. S of steel 10, 15KhM, and 1Kh18N9T was subjected to heating. It is established that, when the operating region of the furnace is at a temperature of 1450°, the specific time required for the heating of round S 80-110 mm in diameter amounts to 0.95-1.15 min/cm. Compared with the standard continuous method the high-speed heating method reduces fume losses of metal by 47-60 percent and promotes a good uniformity of heating; the temperature difference throughout the cross section of the specimen does not exceed 10° at the time

Card 1/2

137-58-3-5115

High-speed Heating of Stock in Sectional Furnaces

of completion of the heating process. The mechanical properties of finished pipes obtained from S subjected to rapid heating exceed the GOST specifications and are comparable to the properties of pipes which were heated continuously.

V.F.

Card 2/2

14(1);25(1)

PHASE I BOOK EXPLOITATION

SOV/2692

Minayev, Anatoliy Nikolayevich, and Boris Il'ich Shipilin

Liteynyye pechi i sushila (Foundry Furnaces and Drying Chambers) Moscow, Mashgiz, 1959. 472 p. 8,000 copies printed.

Reviewers (Division of Foundry Production, Ural Polytechnical Institute):
A.A. Gorshkov, Doctor of Technical Sciences, Corresponding Member, Academy of Sciences, UkrSSR; and A.S. Telegin, Candidate of Technical Sciences; Eds.: A.S. Telegin, Candidate of Technical Sciences; Yu.G. Yaroshenko, Candidate of Technical Sciences; D.K. Butakov, Candidate of Technical Sciences; P.V. Levchenko, Candidate of Technical Sciences; K.N. Sokolov, Candidate of Technical Sciences; B.M. Ksenofontov, Candidate of Technical Sciences; and Yu.P. Poruchikov, Candidate of Technical Sciences; General Ed.: G.M. Dubitskiy, Candidate of Technical Sciences; Tech. Ed.: N.A. Dagina; Exec. Ed. (Ural-Siberian Division, Mashgiz): A.V. Kaletina, Engineer.

PURPOSE: This textbook is intended for students of machinery construction vuzes. It may also be useful to engineering and technical personnel.

Card ~~1/25~~

Foundry Furnaces and Drying Chambers

SOV/2692

COVERAGE: This textbook deals with foundry furnaces and dryers. Fuels used in foundry practice are discussed in Part One. Characteristics, methods of selection, and calculations for combustion processes are included. Part Two deals with gas dynamics in furnaces. Design examples are given. Part Three deals with heat transfer in furnaces. Refractory materials, elements of furnace construction, and fundamentals of design are included in Part Four. Part Five is devoted to constructions of dryers and furnaces. Some design examples are given. A.S. Telegin, P.V. Levchenko, K.N. Sokolov, A.N. Minayev, Yu.G. Yaroshenko, Candidates of Technical Sciences, and M.V. Shavel'zon, Engineer, were coauthors of the book. There are 127 references: 121 Soviet, 5 German, and 1 Polish.

TABLE OF CONTENTS:

PART ONE. FUEL

Preface	3
Symbols	4
Card 2/15	

TAYTS, N.Yu.; GOL'DFARB, E.M.; MINAYEV, A.N.

Heating of large ingots in soaking pits. Izv. vys. ucheb. zav.: chern.
met. no.8:160-166 '60. (MIRA 13:9)

1. Dnepropetrovskiy metallurgicheskiy institut.
(Steel ingots) (Furnaces, Heating)

GUBINSKIY, V.I.; MINAIEV, A.N.; TAYTS, N.Yu.

Investigation of the process of wire rod cooling following rolling
on a continuous mill. Izv.vys.ucheb.zav.; Chern.Met. 5 no.11:
128-132 '62. (MIRA 15:12)

1. Dnepropetrovskiy metallurgicheskiy institut.
(Rolling (Metalwork))

CHEKMAREV, A.P., akademik; TAYTS, N.Yu., prof., doktor tekhn.nauk;
GALATOV, N.S., inzh.; GETMANETS, V.V., inzh.; SINITSIA, I.I., inzh.;
MINAYEV, A.M., kand.tekhn.nauk; GUBINSKIY, V.I., inzh.; GONCHAROV,
Yu.V., inzh.

Reduction of scale formation on continuous wire rod rolling mills.
Stal' 22 no.4:327-330 Ap '62. (MIRA 15:5)

1. Dnepropetrovskiy metallurgicheskiy institut i Krivorozhskiy
metallurgicheskiy zavod.
(Rolling (Metalwork)) (Wire—Corrosion)

BOLGOV, A.T., kand. tekhn. nauk, dotsent; MAKAROV, V.V., kand. tekhn. nauk,
dotsent; MINAYEV, A.N., kand. tekhn. nauk, dotsent

Criterion relation of damping coefficients of a motor unit and basic
parameters of the rotating system. Izv.vys.ucheb.zav.; mashinostr. no.5:
46-51 '64. (MIRA 18:1)

1. Altayskiy politekhnicheskiy institut.

KHOROSHAYA, Ye.S.; LYKOVA, A.N.; TUGOV, I.I.; IL'IN, S.N.;
MINAYEV, A.P.

Express method for determining rubber content of used tire cord
fibers. Kosh.-obuv. prom. 2 no. 11:23 N '60. (MIRA 13:12)
(Tire fabrics)

POTOTSKIY, I.I.; TSERAYDIS, G.S.; MINAYEV, A.V.

Histologic nature of lupus vulgaris during various stages of vitamin D₂ therapy. Vest.vener. no.2:15-18 Mar-Apr 1951. (CML 20:9)

1. Of the Dermatological Clinic (Director--Prof. I.I. Pototskiy), Kuban' Medical Institute, and of Novo-Pokrovsk Tuberculosis Sanatorium (Head of Skin-Tuberculosis Division--A.V. Minayev; Consultant--Prof. I.I. Pototskiy). 2. Prof. I.I. Pototskiy; Clinical Ordinator G.S. Tseraidis.

KARPOV, M.K.; LEBEDINSKIY, V.A.; MINAYEV, A.V.

Cortical effects on immunity. Zhur.mikrobiol.epid.i immun. no.3:78-82 Nr '55. (MIRA 8:7)

1. Iz kafedry mikrobiologii (nach. prof. I.I.Rogozin) Voenno-meditsinskoy akademii imeni S.M.Kirova.

(IMMUNITY, physiology,

eff. of cerebral cortex in rabbits)

(CEREBRAL CORTEX, physiology,

eff. on immun. in rabbits)

MINAYEV, A.V.; MOSHNIN, L.F., prof., red.

[Pneumatic testing of pipelines]Pnevmaticheskoe ispytanie
truboprovodov. Moskva, Akad. stroit. i arkhit. SSSR, 1959.
18 p. (MIRA 15:8)

(Pipelines--Testing)

MINAYEV, A.V.

Pneumatic testing of pipelines for liquid transportation.

Vod. 1 san. tekhn. no. 11:19-22 N '59.

(MIRA 13:3)

(Pipe--Testing)

MINAYEV, A.V.

Measurement of gas temperature in pipelines by means of semi-conductor thermistors. Gas.prom. 5 no.4:24-27 Ap '60.
(MIRA 13:8)

(Gas pipes) (Thermistors)

MINAYEV, A.V., inzh.

Pneumatic testing of asbestos-cement pipe. Vod.i san.tekh.
no.3:11-13 Mr '62. (MIRA 15:8)
(Pipe, Asbestos-cement--Testing) (Irrigation)

VITRESHKO, I.A., inzh.; MINAYEV A.V., kand. tekhn. nauk

Hydraulic tests of pressure pipelines. Vod. i san. tekhn. no.4:
32-35 Ap '64 (MIRA 18:1)

MINAYEV, A.

AID P - 1818

Subject : USSR/Aeronautics

Card 1/1 Pub. 35 - 13/18

Authors : Vinogradov, R., Eng. Major, Dotsent, Kand. of Tech. Sci.
and Minayev, A., Eng.

Title : Soviet jet aircraft fighters

Periodical : Vest. voz. flota, 3, 68-78, Mr 1955

Abstract : The author gives a short history of the development
of fighter aircraft in Russia from 1915 up to recent
times. The MIG-15 is described as the last aircraft.
Diagrams, graphs and photos.

Institution: None

Submitted : No date

MINAYEV A.V. PHASE I BOOK EXPLOITATION 161

Vinogradov, Rostislav Ivanovich, and Minayev, Aleksey Vasil'yevich

Kratkiy ocherk razvitiya samoletov v SSSR (Brief Outline of Aircraft Development in the USSR) Moscow, Voen. izd-vo Min-va obor. SSSR, 1956. 254 p. No. of copies printed not given.

Ed.: Pisarev, M.S., Engineer-Colonel; Tech. Ed.: Solomonik, R.L.

PURPOSE: The book is intended for students at aeronautical engineering schools and for the flying and technical personnel of the Air Force and the All-Union Voluntary Society for the Promotion of the Army, Aviation, and Navy.

COVERAGE: The book contains a historical outline on the development of Russian aircraft, beginning with A.F. Mozhayskiy's plane and embracing contemporary high-speed jet aircraft. It was compiled from archive material; part of it was published before in magazine; part is published for the first time. No personalities are mentioned. There are 51 references, of which 50 are Soviet and 1 German.

Card 1/4

Brief Outline of Aircraft Development in the USSR	161
From the Authors	3
Ch. I. Creation of the Airplane and the Beginning of Russian Airplane Construction	7
Creation of the first airplane	7
Birth of aeronautical science	24
Beginning of Russian airplane construction	31
Ch. II. The First Heavy and Maneuverable Airplanes	41
Development of heavy aircraft	46
Development of light maneuverable aircraft	52
Development of seaplanes	59
Ch. III. Development of Bombers, Fighters and Reconnaissance Airplanes	62
Heavy bomber biplanes	62
Maneuverable fighter-biplanes	73
Reconnaissance airplanes	86

Card 2/4

Brief Outline of Aircraft Development in the USSR	161
Reconnaissance seaplanes	89
Ch. IV. Beginning of Soviet Airplane Construction	95
The first Soviet airplanes	100
Beginning of all-metal airplane construction	104
Ch. V. Establishment of the Soviet School of Aircraft Design	111
Heavy monoplanes	113
Development of maneuverable fighter planes	137
Attack planes	149
Reconnaissance planes	150
Civil aircraft	155
Training and special airplanes	159
Ch. VI. Development of High-speed Aircraft	162
The first high-speed monoplanes	162
Card 3/4	

Brief Outline of Aircraft Development in the USSR	161
High-speed maneuverable fighter planes	169
From "air cruiser" to high-speed medium bomber	180
High-speed heavy aircraft	191
High-speed attack planes	196
High-speed civil aircraft	200
Ch. VII. Aircraft of the Second World War	207
Development of new combat planes	207
Development of combat planes in the course of the Second World War	218
Ch. VIII. Postwar Aircraft Construction	235
AVAILABLE: Library of Congress	
	IS/ksv
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Card 4/4

MINAYEV, A. V.

PHASE I BOOK EXPLOITATION

SOV/5826

Vinogradov, Rostislav Ivanovich, and Aleksey Vasil'yevich Minayev

Samolety SSSR; kratkiy ocherk razvitiya (Aircraft in the USSR; a Brief Outline of Their Development) 2d ed., rev. and enl. Moscow, Voenizdat M-va obor. SSSR, 1961. 297 p. 11,500 copies printed.

Ed.: N. P. Gordeyev; Tech. Ed.: T. F. Myasnikova.

PURPOSE: This book is intended for students at aviation schools, flying and technical personnel of the Soviet Air Force, Civil Air Fleet, and All-Union Voluntary Society for the Promotion of the Army, Aviation and Navy, and for general readers.

COVERAGE: The book is concerned primarily with the development of airplanes under the Soviet administration. Ch. I, which deals with the invention of the airplane and the beginning of Russian airplane construction, contains information on A. F. Mozhayskiy, who, according to the authors, was the inventor of the airplane. Only typical airplanes and those which have contributed to the development of aircraft designs are presented. Photographs, drawings, and concise

Card 1/5

Aircraft in the USSR (cont.)

SOV/5826

performance characteristics of some airplanes are included. The authors have drawn much of their source material from the Tsentral'nyy Gosudarstvennyy voyenno-istoricheskii arkhiv (Central State Archives of Military History) and the Tsentral'nyy Gosudarstvennyy arkhiv Krasnoy Armii (Central State Archives of the Red Army). No personalities are mentioned. There are no references.

TABLE OF CONTENTS:

Preface	3
Ch. I. Invention of the Airplane and the Beginning of Russian Airplane Construction	5
The invention of the first airplane	5
The inception of aeronautical science	17
Beginning of Russian airplane construction	22
Ch. II. The First Heavy and Maneuverable Airplanes	29
Developing heavy airplanes	29
Developing light maneuverable airplanes	35
Developing seaplanes	42
The development of Russian aeronautical science	43

Card 2/5

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MINAYEV, G.

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